

JUN 30 2006

**AMENDMENTS TO THE SPECIFICATION:**

Please replace the paragraphs at page 1, lines 5 to 20, with the following rewritten paragraphs:

-- The present invention relates to an improved suspending and stabilizing structure for a remote control car, particularly to one in which the supporting arms can be lengthened to the greatest extent, such that when the wheels run on rough roads, the oscillating range of the supporting arms can be reduced, and the gravity center of the vehicle can be lowered, thus enhancing the ~~stableness~~ stability of the traveling vehicle.

(b) Description of the prior art

Generally, the front shock absorbing structure of the front differential of the conventional remote control car, as shown in Fig. 5, comprises a front differential 4 which is provided with a holding board 41 at the front end. The holding board 41 is fastened to the front end of the differential 4 by way of two screws 42 and pivotally connected to a supporting arm 43 at each outer side of the fastening screws 42. However, ~~[[as]]~~ the pivotal connecting positions of the supporting arms 43 of the prior art ~~[[used]]~~ are utilized to set on the most outer side of the front different 4, in order to obtain a shock absorbing effect at the time when the wheels of the vehicle are running on rough roads. --

Please replace the paragraphs at page 2, line 16 to page 4, line 5, with the following rewritten paragraphs:

-- Referring to Fig. 6, hereunder are descriptions relating to how the length of the supporting arms in the suspending system would influence the ~~stableness~~ stability of a running car. Under the circumstances that the supporting arm 43a is designed in a smaller size, when the car is running on a rough road, the distance between the axle

center 44 of the supporting arm 43a and the outer end would be rather short, rendering the supporting arm 43a bearing a greater oscillating angle  $\theta_1$  and the front differential bearing a greater dash force. On the contrary, when the distance between the axle center 45 of the supporting arm 43b and the outer end is longer, when the height of the obstacle 50 remains the same, the pivotal connecting point 45 of the axle center 45 would have ~~[[a]]~~ an oscillating angle  $\theta_2$  which is apparently smaller than the angle  $\theta_1$ . Currently, the toy remote control cars are manufactured in a size under the proportion of the 1:8 and 1:10 to the real car, and the manufacturers of conventional remote control cars desire to extend the length of the supporting arms 43 (or 43a) to a greatest range, such that when the wheels are dashed, the front differential would have a smallest oscillating range.

As shown in Figs. 7a and 7b, under the circumstances that the width of the vehicle body remains unchanged, ~~while~~ when the supporting arms 43 of the shock absorber ~~[[is]]~~ are provided as long as possible, the vehicle body would have a more ~~stableness~~ stability during traveling. As shown, in case point A is the fastening point of the supporting arms of a prior art (as shown in Fig. 7a), and point B is the fastening point of the supporting arms of the present invention (as shown in Fig. 7b), under the same output horsepower P, the respective lifting angles of the chassis of the vehicle in speeding are:  $\theta_3$  for point A and  $\theta_4$  for point B. As length b is longer than length a, angle  $\theta_4$  is smaller than angle  $\theta_3$ . Apparently, when the length of the supporting arm increases, the height that the chassis lifts during traveling would become less, such that the gravity center of the vehicle body would be lower and stabler and that ~~stableness~~ stability can be obtained when the vehicle is turning under high speed, avoiding the vehicle from turning over. --

Please replace the paragraphs at page 5, line 2 to page 6, line 12, with the following rewritten paragraphs:

-- The primary object of the invention is to provide an improved suspending and stabilizing structure for a remote control car. Under the circumstances that the width of the vehicle body is fixed, the supporting arms can be lengthened to the greatest extent, such that when the wheels run on rough roads, the oscillation range of the supporting arms can be reduced, thereby making the oscillating range of the front differential smaller and reducing the dashing force ~~[[born]]~~ borne by the vehicle body.

The secondary object of the invention is to provide an improved suspending and stabilizing structure for a remote control car. Under the circumstances that the vehicle body is fixed at a pre-determined width, the supporting arms can be lengthened to the greatest extent, such that when the remote control car is speeding, the gravity center thereof can be lowered and the vehicle body would not easily turn over under high speed, thereby enhancing the ~~stability~~ stability of the traveling vehicle.

To obtain the above objects, the suspending and stabilizing structure for a remote control car according to the present invention is composed of a primary frame and two supporting arms. While the primary frame is provided with a holder on the bottom, the supporting arms are moveably connected to the two sides of the primary frame which is moveably connected with transmission shafts and driving arms for installation of wheels. Besides, the holder on the bottom of the primary frame is provided with holding holes at two ends. A recession is provided at one end of each supporting arm[[,]]; thereby the supporting arm can be mounted on the holder of the primary frame. Besides, a hole corresponding to the holding hole is provided on each sidewall of the recessions ~~the recessions~~, such that a fastening pillar can be

inserted into the holding hole and its corresponding hole. Threaded holes are provided at the outer side of the holding holes on the primary frame for fastening the front differential by screws. Accordingly, the supporting arms can be lengthened[[,]]; thereby when the wheels are running on rough roads, the oscillation range of the supporting arms can be reduced, thus enhancing the shock absorbing effect of the traveling vehicle. --

Please replace the paragraph at page 7, lines 10-11, with the following rewritten paragraph:

-- Figs. 7a, 7b respectively show the ~~stableness~~ stability of the prior art and the invention when in a driving status. --

Please replace the paragraphs at page 8, line 6 to page 11, line 2, with the following rewritten paragraphs:

-- The primary frame 1 is moveably connected with transmission shafts 11 and driving arms 12, while the bottom of the primary frame 1 is provided with a holder [[12]] 13, which is provided with a holding hole [[13]] 131 and a threaded hole 132 at each side. One end of the holder 13 is provided with a cover 14, on which through holes 141 and threaded holes 142 respectively corresponding to the holding holes 131 and the threaded holes 132 are provided. The holder 13 and cover 14 can be combined to mount on the front differential 15 for dust proof purpose. Besides, the front end of the cover 14 can be provided with a front board 17, which has holes 171 corresponding to the through holes 141 on the cover 14.

The supporting arms 2 are moveably connected to the two sides of the primary frame 1 on the holder 13 and the cover 14. A recession 21 is provided at one end of each supporting arm 2, while a hole 22 corresponding to the holding hole 131 is

provided on each sidewall of the recessions 21, ~~thereby~~ . Thereby the supporting arms 2 can be mounted on the holder 13 and the cover 14 of the primary frame by way of the recessions 21. Besides, after the corresponding holes 22, the holding holes ~~[[21]]~~ 131, the through holes 141 and the holes 171 on the front board 17 are arranged in one line, a fastening pillar 23 can be inserted into these holes, such that the supporting arms 2 can be moveably connected to the two sides of the primary frame 1. While the holder 13 is provided with threaded holes 132 at the outer side of the holding holes 131, the cover 14 is provided with threaded holes 142 at the outer side of the through holes 141, ~~thereby~~ . Thereby screws 18 can be fastened to the threaded holes 142, 132 to connect with the holder and cover to the exterior of the front differential 15. Accordingly, the front differential 15 can be held on the primary frame 1. Meanwhile, the pivotal connection point of the supporting arms 2 can be efficiently moved inwardly, such that the length of the supporting arms can be designed as the greatest extent. According to the above, the improved suspending and stabilizing structure and shock absorbing structure for a remote control car can be achieved.

While the invention is for installation on the front differential at the front end of a vehicle 3 (remote control car), wheels 31 can be installed at the two sides of the transmission shafts 11 of the primary frame 1. When the user is operating the vehicle 3 (remote control car) on a rough road for amusement or competition purposes, the wheels 31 would oscillate violently due to the rough surface of the road, ~~rendering~~ causing the supporting arms 2 ~~oscillates~~ to oscillate as well. As the invention can permit the supporting arms 2 to be lengthened, when the wheels 31 are running on rough roads, the oscillation of the supporting arms 2 can be reduced, thereby enhancing the shock absorbing effect of the vehicle 3 (remote control car).

In one embodiment of the invention, as shown in the figures, the holder 13 is

provided with a cover 14 at the front end, such that the holder 13 and cover 14 can cover the front differential in left and right. In another preferred embodiment (not shown), the holder 13 and the cover 14 can cover the front differential in up and down, such that the position of the holder 13 would be at the baseboard of the vehicle 3. Therefore, the holder 13 can be simply provided with holding holes 131 and threaded holes 132 as fastening elements to connect with the supporting arms 2.

Concluded above, the suspending and stabilizing structure for a remote control car according to the invention can efficiently improve the disadvantages in the prior art, thereby making the shock absorbing structure of the front differential of a remote control car ~~greatly improving~~ improved, more functional and more applicable to the user's need. ~~As the~~ The invention is neat in terms of components and their assemblage, which is novel to the design of a engine actuator mechanism for the present remote control cars, and the efficiency is highly improved. Accordingly, the inventor has claimed his invention. --

#### IN THE ABSTRACT OF THE DISCLOSURE

Please replace the paragraph at page 15, lines 2-15, with the following rewritten paragraph:

-- An improved suspending and stabilizing structure for a remote control car at least comprises a primary frame and two supporting arms moveably connected to two sides of the primary frame. The primary frame is provided with a holder on the bottom which can be provided with a cover at the front end. Besides, transmission shafts are connected to the primary frame for the installation of wheels. Corresponding holding holes and through holes are provided on the holder and the cover, respectively, while one end of the supporting arms may provided with a recession, on two sides of which are provided with corresponding holes. Threaded

holes are provided at the outer sides of the holding holes and through holes, such that a front differential can be fastened thereto by way of screws, thereby the supporting arms can be lengthened to the greatest extent and that when the wheels run on rough roads, the oscillation range of the supporting arms can be reduced, thus enhancing the ~~stableness~~ stability of the traveling vehicle. --